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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 1,
1958, pp 134-.

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Sci - Med

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(FDD 25926)

Works of the Academy of Sciences USSR on
Uranium-Graphite Reactors, by V. S. Fursov,

Full translation.

RUSSIAN, bk, Sessiya Akademii Nauk SSSR po
Mirnomu Ispol'zovaniyu Atomnoy Energii 1-15
Iyulya 1955 (Pernoy Zasedaniye), Moscow,
Aug 1955, pp 15-36.

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CIA/FDD/X-1868

Scientific - Nuclear Physics, reactors
USSR

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Graphite Reactors, by V. S. Fursov, 22 pp.

Full translation.

RUSSIAN, bk, Conference of the Acad of Sci of the
USSR on the Peaceful Uses of Atomic Energy, 1-5 Jul
1955, Session of the Div of Physico-Mathematical
Sciences,

35,408

GPO

~~Consultants Bureau~~
~~259 West 44th St,~~
~~New York 11, N.Y.~~

Sci - Nuclear Physics
#87 rpts for \$350.00

63-12216

Pursov, V. S.
DIPOLE INTERACTION AND SCATTERING OF LIGHT.
IX. by Astrid Werner. Nov 62 [6]p. 5 refs.
Order from ARS in its Journal, v. 32, no. 11, \$3.00

Trans. of Moscow U. Vestnik. (Seriya 3: Fizika,
Astronomiya) (USSR) 1961 [v. 16] no. 2, p. 60-72.

DESCRIPTORS: *Light, Scattering, Dipole moment,
Gases, Molecules, Optics, Field theory, Quantum
statistics, Corrections.

1. Title: Rayleigh scattering
I. Pursov, V. S.
II. American Rocket Society,
New York

A239982

Office of Technical Services

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M. N. Oganov, A. R. Striganov, 4 pp.

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Sci - Physics
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sov, 7 pp.

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Sci - Geophys

Mar 59

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The Population of the Federal Republic of
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Present State and Problems of Turnover Statistics,
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Economic - Statistics, problems

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Jan 54 CFB

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Content in Hexachlorocyclohexane Crude Effective
Substance. II., by H. Furst, 18 pp.

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363.

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COMMENTS ON THE ARTICLE BY TOKMANOV AND
RODZAEVSKAYA. 6p. 4 refs. MTWL: 274.
Order from OTS or ETC \$1.55 61-17989

Trans. of Azerbajdzhanskoe Neftyanoe Khozyaistvo
(USSR) 1924, v. 14, no. 11-12, p. 113-114.

DESCRIPTORS: Aliphatic compounds, Sulfuric acid,
Tests, *Mineral oils, *Purification.

61-17989

- I. Fürst, L.
- II. MTWL-274
- III. Stichting Moedijk
Toegankelijke Wetenschap-
pelijke Literatuur

005816

Office of Technical Services

FÜRSTENBERG, A.I.

"Measurement of Impedance, Capacitance,
Inductance & Frequency by the
Method of Proportional Currents."

CR LI, No , 46, 277

A. 28-40

Receivers and Antennas in Radioastronomy,
by H. Frinaker, F. Furstenberg, 25 pp.

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No 11, 1957, p 368ff.

SLA 59-14250

Sci
Vol IV, No 8
11 May 62

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Let Us Increase Brazil's Scientific and
Technological Potential in the Map Making
Field, by Sebastiao da Silva Furtado, 9 pp.

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Consulta Sobre Cartografia, July 1961. (Call No.
GA672 .R44)

Army Map Service

Sci - Engr

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14 Sept 62

On a Cancerous Mouse Strain (Adenocarcinoma)
Showing Testicular Lesions, by T. Furtado-Dias,
4 pp.

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Societe de Biologie, Vol CXLV, No 21/22, 1951,
pp 1733-1735.

NIH 3-17-60

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May 60

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THE CUBAN REVOLUTION AND WORLD COMMUNISM---
A WEST GERMAN VIEW, BY ROBERT FURTAK, 18 PP.

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Robert K. Furrer, 6 pp.

German, par, Ozeanropa, No 11, 12, 1963, pp 818-821.

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LA-Cuba
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M. V. Rubtsov, E. S. Nikitskaya, E. E. Mikhlin,
A. D. Yanina, V. Ya. Furtatova, 4 pp.

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Scientific - Chemistry

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Encl to R-75-54, OARMA, Stockholm, 25 Mar 1954.

ID 1226510

WEur - Sweden
Military - Conscript, civil defense
CIA 2513259

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Fürth, Otto and Herrmann, Heinz.
COLOR REACTIONS OF TARTARIC ACID, CITRIC
ACID AND ACONITIC ACID. [1963] 13p 13refs
Order from SLA \$1.60 63-20170

Trans. of Biochemische Zeitschrift (Germany) [1935]
v. 280, p. 448-457.

DESCRIPTORS: *Chemical indicators, *Colorimetry,
Carboxylic acids, Tartrates, *Citric acids, *Pyridines,
*Acetic anhydrides, Crystallization, Solubility,
*Biochemistry.

(Chemistry--Analytical, TT, v. 10, no. 12)

63-20170

1. Title: Aconitic acid
2. Title: Tartaric acid
- I. Fürth, O.
- II. Herrmann, H.

6125

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Recent Investigations Relative to the Chemical
Composition of the Hemostatic Substance in Suprarenal
Glands, by O. V. Furth, 8 pp.

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SLA Tr 2807

Sci - Medicine
Feb 58

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On the Problem of Diffusion in the Gravity
Field, by R. Furth.
GERMAN, rev. *Z. Physik*, 40, 1926, pp 351-363.
*NES TT 70-57300

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Aug 70

R. Furth

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SLA 58-148

Sci
Jul 59

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Furthmüller, W., Kühne, P. and others.
PROTEIN METABOLISM DURING ANTIDIABETIC
TREATMENT WITH D 860. [1962] [17]p.
Order from SLA \$1.10

62-14930

Trans. of Deutsche Medizinische Wochenschrift (West
Germany) 1957, v. 82 [no. 36] p. 1531-1533.

DESCRIPTORS: *Diabetes, *Drugs, Toxicity, Metabo-
lism, Proteins, Liver, *Sulfonamides

(Biological Sciences--Pharmacology, TT, v. 8, no. 6)

62-14930

- I. Title: D-860
- I. Furthmüller, W.
- II. Kühne, P.

C222832

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SPANISH, per, Revista General de Marina, Mar 1961,
pp 358-382. 9699975

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MIL
Jul 61

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Separation of Rare Earth Elements from Materials
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Mining in the Rumanian People's Republic,
Compared to the World's Technical Level,
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1963, pp 296, 299, 300. (Call No GE 859,
Vol. 11, No 7, Eng Tr)

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HEur - Rumania
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DEVELOPMENT OF COMBINED HEAT AND POWER PLANTS IN
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P 298-301

JPRS 211431

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THE ROLE OF MATERIAL INTEREST IN THE BUILDING
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NO 35-36, SEP 1962, PP 51-63.

JPRS 17237

EEUR - BULGARIA
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A New Stage in the Development of the World
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EEur - Soviet Bloc
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On the Analysis and Interpretation of Foil Data,
by Akira Puruhashi, 36 pp.

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No 11, 1962, pp 797-807. 9216792

AEC-Tr-6085

Sci - Nucl Sci
Jan 64

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US-3

FURUHATA TUNEO

New automatic data processing machine, MERIAC-1-F

Kisho To Tokei, 10, No. 1, 23-31 (1959)

Trans. No. 703. \$ 0.75, 60-21726 - English

E u r a t o m

OTS 60-21726

TT-65-62892 Field 11J

Furukawa, J.; Tsuruda, T.; Mitsue, T.; Kakogawa, G.
A NEW PROCESS FOR POLYMERIZING PROPYLENE OXIDE
USING A MIXED CATALYST OF ORGANOMETALLIC COM-
POUND AND SOLID ACIDIC OXIDES. 11 Jun 65, 10p.
Order from CFSTI, SLA, or ETC: HCS1.10, MFS0.50 as
TT-65-62892

Trans. of Patent (Japan) pub, 35-21044.
Patent pub, 1 Nov 61, filed 26 Jul 58, application no.
33-21032, by Saidanhojin Nihon Kagaku-Seni Kenkyusho.

TT-65-14157

Field 111

Eurikawa, J.; Tsuruta, T.; Fujita, Y.; Kanasaki, A.
POLYMERIZATION OF VINYL CHLORIDE WITH
ORGANOMETALLIC COMPOUNDS. 32p, 23refs.
Order from SLA: \$3.60 as TT-65-14157

Trans. of Kogyo Kagaku Zasshi (Japan) v63 n4 p645-52
1960.

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Furukawa, Junju, Tsuruta, Teiji and others.

POLYMERIZATION OF VINYL CHLORIDE CATALYZED BY METAL ORGANIC COMPOUNDS. [1962] 23p.

Order from K-H \$28.75

K-H 11796 a

SLA 77-65-13997

Trans. of Kogyo Kagaku Zasshi (Japan) 1958, v. 61, no. 10, p. 1362-1366.

DESCRIPTORS: *Polymerization, Vinyl chlorides, *Catalysis, *Metalorganic compounds, *Polyvinyl chloride.

(Materials--Plastics, TT, v. 9, no. 10)

65-12948

- I. Furukawa, J.
- II. Tsuruta, T.
- III. K-H-11796-a
- IV. Kresge-Hooker Science Library Associates, Detroit, Mich.

107105

Office of Technical Services

Furukawa, Junji, Tsuruta, Teiju and others.
A PROCESS OF POLYMERIZATION OF ALKYLENE
OXIDE WHEREIN THE REACTION PRODUCT OF
ZINC DIALKYL WITH WATER IS USED AS A
CATALYST. Sep 62, Sp.
Order from SA \$15.00 SA Code-P2

Trans. of [published] Japanese patent 3394/1961,
18 Apr 61, cl. 26 C O (13 F 1) appl. no. 33458/1958,
24 Nov 55, by Institute of Japanese Chemical Fiber
Research.

DESCRIPTORS: *Ethylenes, *Oxides, *Polymerization,
*Zinc compounds, Metalorganic compounds, Alkyl
radicals, Water, Catalysts, Catalysis.

(Chemistry--Organic, TT, v. 8, no. 11)

62-34484

I. Furukawa, J.
II. Tsuruta, T.
III. Patent (Japan) pub. 36-3394
IV. SA Code-P2
V. Seizaburo Aoki (Japan)

122, 236

Office of Technical Services

TT-65-14080

Field 7C

Furukawa, J.; Tsuruta, T.; Ito, K.; Kashiuchi, I.;
Kawasaki, A.
VINYL POLYMERIZATION WITH ORGANIC LITHIUM
COMPOUNDS. 23p, 19refs.
Order from SLA: \$2.60 as TT-65-14080

Trans. of Kogyo Kagaku Zasshi (Japan) v63 n4 p640-5 1960.

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Field 7C

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POLYMERIZATION OF VINYL CHLORIDE WITH THE
USE OF ORGANOMETALLIC COMPOUNDS AS
INITIATORS. Rept. no. 9 of Studies of Polymerization
Reaction with Organometallic Compounds.
25 Apr 65, 44p, 10refs. SA-KKZ-62-2-1.
Order from SA: \$31.00 as KKZ-62-2-1

Trans. of Kogyo Kagaku Zasshi (Japan) v62 n2 p268-73
1959.

1. Seizaburo Aoki,
Fujisawa (Japan)

Furukawa, Junji, Teuruta, Teiji and others.
A NEW PROCESS OF POLYMERIZATION OF
ETHYLENE OXIDE WHEREIN THE REACTION
MIXTURE OF ORGANO-ZINC COMPOUND WITH
SOLID ACID IS USED AS A CATALYST. Sep 62,
5p.

Order from SA \$15.00

SA Code-P3

Trans. of [published] Japanese patent 13446/1961,
15 Aug 61, cl. 26 C O (13 F 1) appl. no. 28288/1958,
4 Oct 58, by Institute of Japanese Chemical Fiber
Research.

DESCRIPTORS: *Ethylenes, *Oxides, *Polymeriza-
tion, *Zinc compounds, Metalorganic compounds,
Acids, Aluminum compounds, Alumina - silica
catalysts, Catalysts, Catalysis.

(Chemistry--Organic, TT, v. 8, no. 11)

62-34483

- I. Furukawa, J.
- II. Teuruta, T.
- III. Patent (Japan) pub. 36-13446
- IV. SA Code-P3
- V. Seizaburo Aoki (Japan)

22, 235

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The Characteristics of Fluidised Particles. V.
Methods of Controlling the Distribution of
Particles and Bulk Density in Fluidised Beds, by
T. Onae, J. Furukawa, 15 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI,
1953, pp 824-826.

AEC NP Tr-444

Sci - Phys

Oct 60

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Characteristics of Fluidized Particles. Part II
Expansion of Fluidized Beds of Flowing Gases, by
J. Furukawa, T. Osumae, 9 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect,
Vol IV, No 1, 1952, pp 3-6.

Sci
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SLA Tr 57-2682

ATS 20 D15

ATS 33-1958

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The Characteristics of Fluidised Particles.
IV. Particle Distribution in Fluidised Beds,
by T. Omae, J. Furukawa, 24 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LVI,
1953, pp 727-731.

AEC NP Tr-438

Sci - Nuc Phys
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Characteristics of Fluidized Particles. Part I.
On the Viscosity of Fluidized S Powers, by J.
Furukawa, T. Omasa, 5 pp.

JAPANESE, per, J. Chem Soc Japan Ind Chem Sect,
Vol LIV, 1951, pp 798-800.

SIA Tr 57-2684

Sci
Aug 58

ATS 19015

ATS 55-1957

68,257

Furukawa, Junji, Tsuruta, Teiji, and Morimoto,
Kazuhisa.

NEW METHOD FOR POLYMERIZATION OF VINYL
COMPOUND. July 63, Sp. 5 refs.

Order from SA \$16.00 SA Code-P-171

Trans. of published Japanese patent 3289/1962,
cl. 26-B-012 (26-B-121) (26-B-151) (26-B-211) appl.
no. 8037/1957 filed 2 Apr 57, pub. 1 June 62, Nihon
Kagaku Sen'i Kenkyujo.

DESCRIPTORS: *Vinyl plastics, *Styrenes,
*Butadienes, *Acrylonitriles, Polymerization,
Metalorganic compounds, *Catalysts, *Sodium com-
pounds, Alkyl radicals, *Titanium compounds,
Alkoxides.

(Materials--Plastics, TT, v. 10, no. 9)

63-22289

- I. Furukawa, J.
- II. Tsuruta, T.
- III. Morimoto, K.
- IV. Patent (Japan) pub.
37-3289
- V. SA Code-P-171
- VI. Seizaburo Aoki (Japan)

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Furukawa, Junji, Tsuruta, Teiji, and Nakayama, Yukio.

NEW METHOD OF POLYMERIZING METHYL METHACRYLATE BY A MIXED CATALYST CONSISTING OF A HYDRIDE OF AN ALKALI METAL AND AN ORGANOMETALLIC COMPOUND. July 63, 5p.

Order from SA \$16.00

SA Code-P-121

Trans. of published Japanese patent 14641/1962, cl. 26-B-151 (13-F-1) appl. no. 21389/1960 filed 21 Apr 60, pub. 20 Sep 62, by Nippon Chemical Fiber Research Institute, Inc.

DESCRIPTORS: *Acrylic resins, Production, Acrylates, Methyl radicals, Polymerization, Catalysts, Metalorganic compounds, *Ziegler catalysts, Alkali metal compounds, *Sodium compounds, *Lithium compounds, Hydrides, Group II elements, Group III elements--Plastics, TT, v. 10, no. 6) (over)

63-17954

1. Title: Methyl methacrylate
- I. Furukawa, J.
- II. Tsuruta, T.
- III. Nakayama, Y.
- IV. Patent (Japan)
pub. 37-14 641
- V. SA Code-P-121
- VI. Seizaburo Aoki (Japan)

444689

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Furukawa, Junji, Saegusa, Takeo, Tsuruta, Teiji,
and Fujii, Hiroyasu.

NEW METHOD OF POLYMERIZING ALDEHYDE.

Mar 64, 14p

Order from SA \$16.00

SA Code-P-271

Trans. in manuscript of published Japanese patent
18644/1962. cl. 26-C-118 (13-F-151) appl. 39908/1959,
23 Dec 59, pub. 10 Dec 62, by Foundation Juridical
Person of Japan Chemical Fiber Research Institute,
Kyoto Univ. (Abstract available)

DESCRIPTORS: *Acetyl plastics, *Aldehydes,
Polymerization, *Catalysts, *Metalorganic compounds.

The invention relates to a method of high polymerization
of aldehyde characterized by polymerizing aldehyde ex-
pressed with the general formula $RCHO$ (where R indi-
cates aliphatic and aromatic hydrocarbon residue other
(Materials--Plastics, TT, v. 11, no. 11) (over)

TT-64-12652

- I. Furukawa, J.
- II. Saegusa, T.
- III. Tsuruta, T.
- IV. Fujii, H.
- V. Patent (Japan)
pub. 37-18644
- VI. SA-Code-P-271
- VII. Seizaburo Aoki,
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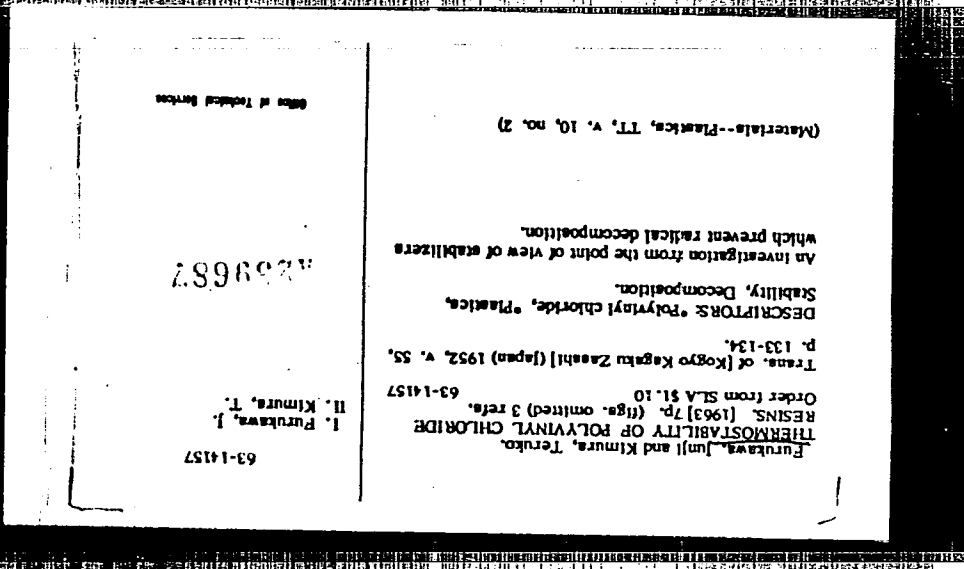
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NCH-200 955
I. Furukawa, J.
II. Tsuruta, T.
III. Saegusa, T.
IV. Sakata, H.
V. Kakogawa, G.
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Fujisawa (Japan)

NCH-200 955
Field 111
Furukawa, J.; Tsuruta, T.; Saegusa, T.; Sakata, H.;
Kakogawa, G.
HIGH POLYMERIZATION OF ALKYLENE OXIDE.
29 Apr 65, 22p (2 figs omitted) 20 refs.
SA-KKZ-62-9-1.
Order from SA: \$28.00 as SA-KKZ-62-9-1.
Trans. of Kogyo Kagaku Zasshi (Japan) v62 n9 p1269-73
1959.

Office of Technical Services 1244688 V. Selsaburo Aoki (Japan) IV. SA Code-P-120 pub. 37-14 634 III. Patent (Japan) II. Tsuruta, T. I. Furukawa, J. I. Title: Methyl methacrylate 63-17953	(Materials--Plastics, TT, v. 10, no. 6) elements, Halides. *Cadmium compounds, Alkyl radicals, Transition Metallorganic compounds, *Ziegler catalysts, resins, *Acrylonitrile, Polymerization, Catalysts, radicals, Alkoxy radicals, Nitriles, Esters, *Acrylic DESCRIPTION: *Vinyl plastics, Production, Vinyl Fiber Research Institute, Inc. Filed 19 Jan 60, pub. 20 Sep 62, by Nippon Chemical 26-B-1 (26-B-131) appl. no. 1186/1960. Trans. of published Japanese patent 14634/1962, cl. Order from SA \$16.00 SA Code-P-120 Sp. AND A TRANSITION METAL COMPOUND. July 63. BY A MIXED CATALYST OF DIALKYL CADMIUM METHOD OF POLYMERIZING VINYL COMPOUNDS Furukawa, Junji, Tsuruta, Teiji and others.
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Office of Technical Services 201338 62-10378 I. Furukawa, Junji. II. Ohnishi, A. III. Tsuruta, T. IV. Title: Japan...	(Chemistry--Organic, TI, v. 7, no. 8) A new method is given for synthesizing of n-vinyl sulfonic amide, utilizing the reaction between n-alkyl sulfonic amide and vinyl ether. Toluene sulfonamide radicals, Synthesis, Toluene, Methyl radicals, Alkyl radicals, Butyl radicals, Ethers, Chemical reactions, DESCRIPTIONS: Sulfonamides, Amides, Vinyl Trans. of [Kogyo Kagaku Zasshi] (Japan) 1956, v. 59, p. 1230. Order from SLA \$1.10 Meeting (no. 9) 3 Apr 56, [1961] 5p. ABSTRACT: Speech at the Japan Chemical Society Lecture NEW SYNTHETIC METHOD OF N-VINYLSULFONIC Teiji. Furukawa, Junji, Ohnishi, Akira, and Tsuruta,
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Office of Technical Services 901058 62-12170 I. Furukawa, J. II. Tsuruta, T. III. Patent (Japan) pub. 36-787 IV. Seizaburo Aoki (Japan)	62-12170 Order from SA \$45.00 Trans. of published Japanese patent SHO 36-787, appl. no. SHO 34-213, by Japan Chemical Fiber Institute and Bridgestone Tire Co., Inc., appl. 10 Jan 58, pub. 17 Feb 61. DESCRIPITORS: *Metalorganic compounds, Polymertization, *Ethylene, Processing, *Alumina-silica catalysts, *Titanium compounds, Oxides, Chemical reactions, Mixtures, *Silicon compounds, Catalysts This invention relates to a method of polymerizing α-olefine such as ethylene, propylene, 1-butene by (Chemistry--Organic, TT, v. 7, no. 8) (over)
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Office of Technical Services 2-2-61 194989 IV. Setzaburo Aoki (Japan) 33-17790 III. Patent (Japan) pub. II. Tsuruta, T. I. Furukawa, J. 61-25708	(Chemistry--Organic, TT, v. 7, no. 5) DESCRIPITORS: *Polymerization, *Ethylene, Chem- ical reactions, Catalysts, Mixtures, Chlorides, Metalorganic compounds Trans. of [Japanese published] patent application 17790/1958, filed 26 June 58, 21 Jan 61, no. 290/1961. Order from SA \$45.00 JUGATED DIOLBINS. 1961, 6p. A NEW PROCESS FOR POLYMERIZATION OF CON- FURUKAWA, Junji Tsuruta, Teiji and others.
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The Oil Characteristics of Lubricants. Reports 11-12:
The Rectifying Action Exhibited by Accumulated Layers
of Palmitic Acid and of Didodecyl Sebacate, by Toshio
Sakurai, Akira Furuzawa, 16 pp.

Full translation.

JAPANESE, no per, Kogyo Kagaku Zasshi, Vol LV, No 4,
prob Tokyo, Apr 1952, pp 245-249.

CIA/FDD/U-5935

FE - Japan

Sci - Physics, lubrication

13,137

Copyright

Apr 54 CTS

Chemical Studies on Larix Kaempferi Sarg. (I), by
Tamio Kondo, Nobue Furuzawa, 10 pp.

JAPANESE, per, Japanese Forestry Soc. Journal,
Vol. XXXV, 25 Dec 1953, pp 406-409.

34,428

S.L.A. No 226/1956

Scientific - Chemistry

Chemical Studies on Larix Kaempferi Sang. (II), by
Tamio Kondo, Nobuo Furuzawa, 9 pp.

JAPANESE, per, Japanese Forestry Soc. Journal,
Vol XXXVI, 25 Jan 1954, pp 19-22.

34,429

S.L.A. No 227/1956

Scientific - Chemistry

Why Did Communist ~~Revolution~~ China Change Her
Elementary Education System?, 11 pp. UNCLASSIFIED,
by Furuta, Tokio

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TWEEN TOBACCO SMOKE AND LARYNGEAL CAN-
CER. [1962] 6p.
Order from K-H \$7.50 K-H 6821-a

Trans. of Bollettino delle Malattie dell'Orecchio della
Gola e del Naso (Italy) 1957 [v. 75] no. 2, p. 175-179.

DESCRIPTORS: *Tobacco, Smokes, *Larynx, *Cancer,
Cancer research.

(Biological Sciences--Pathology, TT, v. 8, no. 6)

62-17964

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Assoc Tech Serv-43F45

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The Behavior of O,O-Dialkyldithiophosphoryl-
lactic Acids (and Derivatives) With
Arsenious Acid and a Method for the
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thotriazines. IX. On Asymmetrical Triazines, by
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BINARY ELECTROLYTIC BATH NaCl-CaCl_2 [1963]
12p 20refs
Order from S.L.A \$1.60

TT-63-20464

Trans. of [Denki Kagaku] (Japan) 1949, v. 17,
p. 254-258.

DESCRIPTORS: *Chlorides, *Sodium compounds,
*Calcium compounds, Electrolytes, Mixtures,
Melting, Density, Surface tension, Electrolysis.

(Chemistry--Physical, TT, v. 11, no. 2)

TT-63-20464

I. Fuseya, G.
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JAPANESE, rpt, Fourth Japan Conference on
Radioisotopes, Tokyo, held 10-12 Oct 1961,
pp 189-192, published 1962.

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of Filling Sand Slime Using Radioisotopes, by
Hiroshi Fushimi, 6 pp.

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Sci - Nucl Sci

Jun 63

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Hiroshi Fushimi, 12 pp.

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Sci - Nucl Sci

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(DC-4017)

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JPRS 6825

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Parametric Excitation Using the Barrier Capacitance of a Semiconductor, by Z. Kiyasu, K. Fushimi, K. Yamazaki, K. Katsuka.

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Scientific - Electronics
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SLA 58-444

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MIXTURE OF ORGANOMETALLIC COMPOUND AND
SILICA-ALUMINA-TITANIA. May 62, 20p. 26 refs.
Order from SA \$21.00 SA Code-107

Trans. of [Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 10, p. 1812-1817].

DESCRIPTORS: *Ethylenes, *Polymerization, Metal-
organic compounds, Ethyl radicals, Aluminum com-
pounds, Silicon compounds, Titanium compounds, Ox-
ides, *Catalysts, Catalysts, Pressure, Molecular
weight, Density, Temperature, Absorption, Infrared
spectroscopy, Propenes, Butadienes, Polymers.

(Chemistry--Organic, TT, v. 8, no. 3)

62-17066

- I. Furukawa, J.
- II. Saegusa, T.
- III. SA Code-107
- IV. Seizaburo Aoki (Japan)

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Manufacture of Acrylonitrile, by G. Kita, J.
Tsurukawa, K. Mitsui (inventors).

JAPANESE, Patent no 154,815. Applied for 7/2/41,
granted 9/5/42, issued 1/29/43/ published 2/24/43.

Assoc Tech Sv 9706J

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Furukawa, Kiyohiss, Nomura, Motoaki, and Oda,
Ryohel.

STUDY OF THIOEPICHLOROHYDRIN. [1961] [7]p.

(foreign text included) 1 ref.

Order from SLA \$1.10

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Trans. of [Kogyo Kagaku Zasshi] (Japan) 1953, v. 56,
no. 3, p. 184-185.

DESCRIPTORS: Synthesis, *Thiourea, *Halohydrins,
Sulfuric acid, Polymers, Polymerization, *Chlorides

A procedure is described for synthesizing thioepichloro-
hydrin from epichlorohydrin and thiourea. By treatment
with a small quantity of sulfuric acid, the sulfide ring-
opening polymerization of thioepichlorohydrin is
easily effected while the degree of polymerization of
the product is relatively low, all of the active chlorine
remains in that condition, and by readily reacting with an
amine dehydrohalogenation or other amino-compounds
it yields what are considered to be new polymers.
(Chemistry--Organic, IT, v. 8, no. 3)

62-10377

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II. Nomura, M.
III. Oda, R.

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Furukawa, Kiyohisa and Oda, Ryohei.

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[6]p. 2 refs.

Order from SLA \$1.10

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Trans. of [Kogyo Kagaku Zasshi] (Japan) 1952, v. 55,
p. 673-674.

DESCRIPTORS: *Glycidyl ethers, Ethers, *Phenyl
radicals, Synthesis, Polymerization, Catalysts,
Catalysts, *Resins.

The synthesis and the subsequent polymerization of this
compound are reported

(Materials--Plastics, TT, v. 7, no. 9)

61-20942

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II. Oda, R.

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SYNTHETIC RESINS FROM DIEPOXY COMPOUNDS
AND ACID AMIDES. [1961] 7p. 3 refs.
Order from SLA \$1.10

61-20934

Trans. of Kogyo Kagaku Zasshi (Japan) 1954, v. 57,
no. 2, p. 152-154.

DESCRIPTORS: Resins, Epoxy resins, Synthesis,
Glycidyl ethers, Ethers, Carboxylic acids, Acids,
Amides, Epoxides, Chemical reactions, Polymerization

Diglycidyl ethers were reacted with mono- and dicar-
boxylic acid amides. Thermal autopolymerization was
induced in one compound containing both epoxide ring
and acid amide group in the same molecule. The re-
actions in these three cases yields new synthetic resins.

(Materials--Plastics, TT, v. 7, no. 9)

61-20934

I. Furukawa, K.
II. Suda, H.
III. Oda, R.

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A METHOD FOR THE CONTINUOUS OXIDATION OF
CYCLOHEXANE. July 63, 7p. (figs. omitted).
Order from SA \$16.00 SA Code-P-151

Trans. of published Japanese patent 5669/1959, cl.
16-c-8, appl. no. 24292/1956 filed 21 Sep 56, pub.
30 June 59, by Kanto-Denka-Kogyo Co.

DESCRIPTORS: *Cyclohexanes, Oxidation, *Cyclo-
hexanols, *Cyclohexanones, Production, Oxygen, Gas
flow, Cobalt catalysts, *Towers (Chemistry), Design.

(Engineering--Chemical, TT, v. 10, no. 6)

- I. Furukawa, M.
- II. Patent (Japan)
pub. 34-5 669
- III. SA Code-P-151
- IV. Seizaburo Aoki (Japan)

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Effect of Back-Pressure on Friction of Piston
Rings, by Shoichi FURUKAWA, Shigeyoshi KURIHARA,
12 pp.

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Engineers, Vol XXI, No 109, 1955, Encl to
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AF 1968723

Sci - Engineering, research
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A Method for the Direct Electrolytic Refining
of Lead Sulfide Ore (Galena), by T. Furukawa.

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Sci - Ingr

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Farumi, Masayuki, Ando, Yoshitake and others.
METHOD OF SYNTHESIS OF ACETIC ACID FROM
METHANOL AND CARBON MONOXIDE. July 63, 6p.
(fig. omitted) 1 ref.
Order from SA \$16.00

SA Code-P-161

Trans. of published Japanese patent 4857/1962,
cl. 16-B-612 (13-F-1) appl. no. 27605/1959 filed
31 Aug 59, pub. 16 June 62, by Chief of Industrial
Technology Agency.

DESCRIPTORS: *Acetic acids, Synthesis (Chemistry).
*Methanols, Carbon compounds, Monoxides, Catalysts,
*Cobalt catalysts, *Iodine, Iodides, Alkaline metal
compounds, Alkaline earth compounds, Ions

(Chemistry--Organic, TT, v. 10, no. 7)

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- II. Ando, Y.
- III. Patent (Japan)
pub. 37-4 837
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